

01467359 NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°50'04", long 75°04'01" referenced to North American Datum of 1983, Gloucester Township, Camden County, NJ, Hydrologic Unit 02040202, at bridge on Chews Landing-Clementon Road (County Route 683), 0.7 mi south of Glendora, 1.8 mi upstream from South Branch Big Timber Creek, and 2.5 mi north of Blackwood.

DRAINAGE AREA.--18.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

REVISED RECORDS.--WDR US-2006:2002-05.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft ³ /s
Nov 28, 2007	22.1
Mar 11, 2008	39.6
May 20, 2008	29.9

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Site is tide-affected; all samples collected at low tide. Cooperative Network Site Descriptor: Urban Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 18.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Nov 28...	1200	22	14	.168	.137	771	9.9	83	6.9	192	7.0	7.7	54
Mar 11...	1230	55	11	.147	.116	764	11.0	90	6.5	220	6.5	6.9	54
May 20...	1110	30	14	.223	.180	750	8.2	77	6.9	175	12.5	12.7	47
Aug 28...	0910	50	9.7	.146	.120	762	4.8	53	6.7	197	22.0	20.4	52

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 28...	15.9	3.32	3.77	12.7	30	22.5	E.12	10.1	20.9	E110	118	11	.36
Mar 11...	16.5	3.07	2.69	18.2	26	30.1	.13	8.7	22.6	E121	124	9	.26
May 20...	14.2	2.71	2.52	10.8	30	19.3	.14	8.7	17.1	96	115	18	.42
Aug 28...	15.2	3.44	3.51	13.6	34	23.6	.17	8.3	18.9	E108	119	4	.28

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Nov 28...	.058	.45	.14	.81	.95	E.009	.025	.192	1.7	<.04	1.7	3.6	154
Mar 11...	.077	.67	.08	.93	1.0	E.009	.029	.123	.9	<.04	.9	3.3	141
May 20...	.137	.48	.14	.90	1.0	.016	.063	.205	1.6	<.04	1.6	3.4	117
Aug 28...	.019	.21	.09	.49	.59	E.008	.045	.107	.8	<.04	.8	2.9	208